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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-4. (canceled)

5. (currently amended) A moving carrier that sticks to a surface of an object by use of negative pressure, comprising:

a suction housing connected to a negative pressure forming device to suck in a fluid;

a suction opening member installed on the suction housing, a part of which is caused to contact the surface of the object, and which defines a pressure-reduced area together with the suction housing and the surface of the object;

a member for maintaining a predetermined distance between the suction housing and the surface of the object; and

two sets of moving units, each of the moving units including at least two sets of driving wheels;

each of the moving units being arranged on each of its right and left sides relative to its traveling direction;

each of the moving units being connected to a driving source;

one of the driving wheels being situated in a vicinity of a center of a sticking force acting on the moving carrier;

another of the driving wheels being situated away from the center of the sticking force acting on the moving carrier; and

wherein the moving carrier can pivot at contact area as a pivot axis,

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at the contact area one of the driving wheels situated in the vicinity of the center of the sticking force being contacted with the surface,

one of the moving units being driven and another moving units being not driven.

6. (previously presented) The moving carrier that sticks to the surface of an object by use of negative pressure, described in claim 5 above;

additionally comprising a moving process that causes the moving carrier to make transverse movements in its traveling direction;

wherein actions of the moving carrier being repeated; each of the actions being comprised of a action that the moving carrier pivots at contact area as the pivot axis; at the contact area, one of the driving wheels situated in the vicinity of the center of the sticking force being contacted with the surface;

wherein one of the moving units being driven and another moving unit being not driven.

7. (currently amended) A moving carrier that sticks to a surface of an object by use of negative pressure, comprising:

a suction housing connected to a negative pressure forming device to suck in a fluid;

a suction opening member installed on the suction housing, a part of which is caused to contact the surface of the object, and which defines a pressure-reduced area together with the suction housing and the surface of the object;

a member for maintaining a predetermined distance between the suction housing and the surface of the object; and

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two sets of moving units, each of the moving units including a caterpillar;

each of the moving units being arranged on each of its right and left sides relative to its traveling direction;

each of the moving units being connected to a driving source;

one end portion of the caterpillar being situated in a vicinity of a center of a sticking force acting on the moving carrier;

another end portion of the caterpillar being situated away from the center of the sticking force acting on the moving carrier; and

wherein the moving carrier can pivot at a contact area as a pivot axis,

at the contact area the one end portion of the caterpillar situated in the vicinity of the center of the sticking force being contacted with the surface,

one of the moving units being driven and another moving units being not driven.

8. (previously presented) The moving carrier that sticks to the surface of an object by use of negative pressure, described in claim 7 above; additionally comprising a moving process that causes the moving carrier to make transverse movements in its traveling direction;

wherein actions of the moving carrier being repeated; each of the actions being comprised of a action that the moving carrier pivots at contact area as the pivot axis; at the contact area, one end portion of the caterpillar situated in the vicinity of the center of the sticking force being contacted with the surface;

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wherein one of the moving units being driven and another moving unit being not driven.

9. (currently amended) A moving carrier to be connected to a negative pressure forming device for supplying a sticking force to the moving carrier, said moving carrier moving on a surface of an object while sticking thereto, comprising:

a case having an opening portion facing the surface for applying [[a]] the sticking force relative to the surface, said opening portion having a substantial center point;

a first driving device situated on one side of the case relative to the opening portion for moving the case in a first direction, said first driving device contacting with the surface at a first contact area away from the center point a straight line passing through the center point in the first direction by a first distance in a second direction perpendicular to the first direction;

a second driving device situated on an opposite side of the case relative to the opening portion for moving the case in the first direction, said second driving device contacting with the surface at a second contact area away from the center point by a second distance greater than the first distance in the second direction;

a first drive source for driving the first driving device;  
and

a second drive source for driving the second driving device.

10. (currently amended) The moving carrier according to claim 9, further comprising a hose coupler connected to the case so that a hose of the negative pressure forming device is connected to the hose coupler for applying the sticking force.

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11. (currently amended) The moving carrier according to claim 9, further comprising a third driving device situated on the one side of the case for moving the case in the first direction, said third driving device contacting with the surface at a third contact area away from the ~~center point~~ straight line by a third distance greater than the first distance in the second direction; and a fourth driving device situated on the opposite side of the case relative to the opening portion for moving the case in the first direction, said fourth driving device contacting with the surface at a fourth contact area away from the center point by a fourth distance smaller than the second distance in the second direction.

12. (previously presented) The moving carrier according to claim 11, wherein said first drive source is arranged to drive the third driving device, and said second drive source is arranged to drive the fourth driving device.

13. (currently amended) The moving carrier according to claim 9, further comprising a first frame attached fixed to the case for supporting at least one of the first driving device and the second driving device and a second frame for supporting the other of the first driving device and the second driving device, said second frame being attached to the case through a hinge pin so that the second frame can swing.

14. (new) The moving carrier according to claim 5, further comprising a first frame fixed to the suction housing for supporting at least one of the moving units and a second frame for supporting the other of the moving units, said second frame

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being attached to the suction housing through a hinge pin so that the second frame can swing.

15. (new) The moving carrier according to claim 7, further comprising a first frame fixed to the suction housing for supporting at least one of the moving units and a second frame for supporting the other of the moving units, said second frame being attached to the suction housing through a hinge pin so that the second frame can swing.

16. (new) The moving carrier according to claim 14, wherein said one of the driving wheels is situated closer to the first frame or the second frame than the another of the driving wheels.